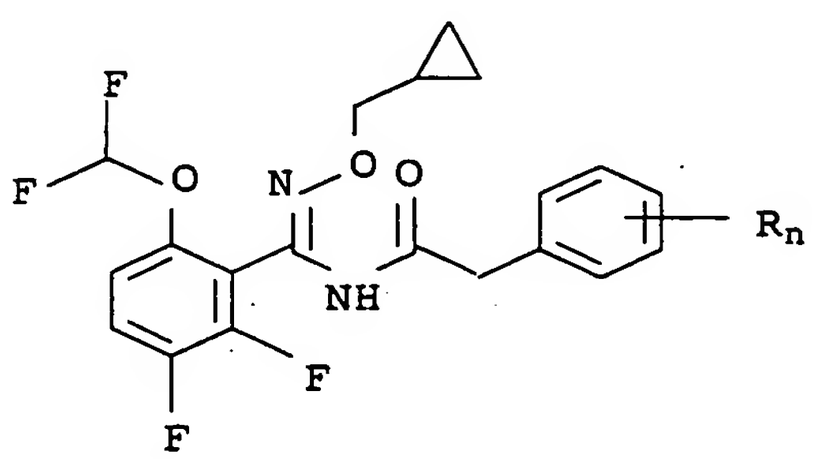
We claim:

1. A fungicidal mixture, comprising as active components

(1) a benzamideoxime derivative of the formula I



(I)

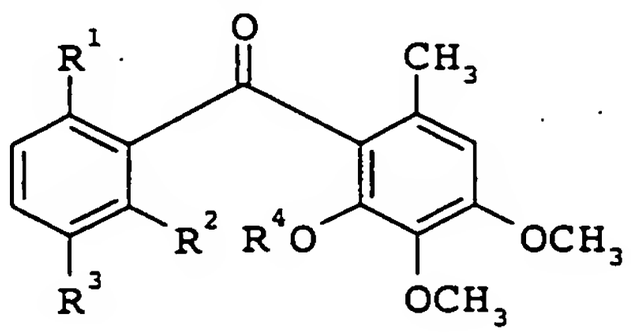
where the substituent and the index may have the following meanings:

R is hydrogen, halogen, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-alkoxy or C_1-C_4-haloalkoxy

n is 1, 2 or 3,

and

(2) a benzophenone of the formula II,



(II)

in which

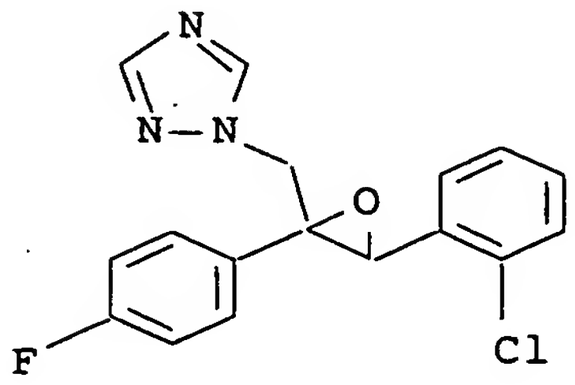
R^1 is chlorine, methyl, methoxy, acetoxy, pivaloyloxy or hydroxyl;

R^2 is chlorine or methyl;

R^3 is hydrogen, halogen or methyl; and

R^4 is C_1-C_6-alkyl or benzyl, where the phenyl moiety of the benzyl radical may carry a halogen or methyl substituent, and

(3) epoxiconazole of the formula III

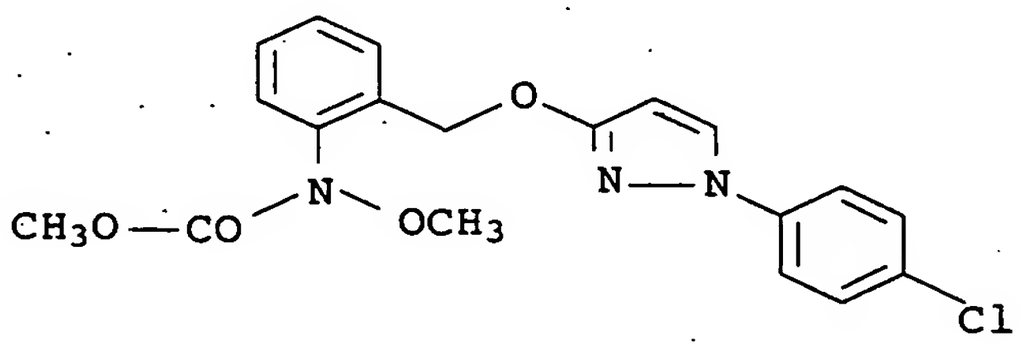


(III)

in a synergistically effective amount.

2. A fungicidal mixture as claimed in claim 1, furthermore comprising

(4) pyraclostrobin of the formula IV



(IV)

3. A fungicidal mixture as claimed in claim 1, where the radical R in the formula I is hydrogen.

4. A fungicidal mixture as claimed in any of claims 1 to 3, where in the formula II

R^1 is methoxy, acetoxy or hydroxyl,
R^2 is methyl,
R^3 is hydrogen, chlorine or bromine, and
R^4 is C_1-C_4-alkyl.

5. A fungicidal mixture as claimed in claim 4, where in the formula II

R^1 is methoxy,
R^2, R^4 are methyl and
R^3 is bromine.

6. A fungicidal mixture as claimed in claim 1, where the weight ratio of the benzamideoxime derivative of the formula I to the benzophenone of the formula II and the epoxiconazole of the formula III is from 20 : 1 : 1 to 1 : 20 : 20.

7. A method for controlling harmful fungi, which comprises treating the harmful fungi, their habitat, or the plants, seeds, soils, areas, materials or spaces to be kept free from them with the fungicidal mixture as claimed in claim 1.

8. A method as claimed in claim 7, which comprises applying the compounds of the formulae I, II and III as set forth in claim 1 simultaneously, that is either together or separately, or in succession.

9. A method as claimed in claim 7 or 8, wherein the fungicidal mixture or the compounds of the formulae I, II and III are applied in an amount of from 0.01 to 8 kg/ha.

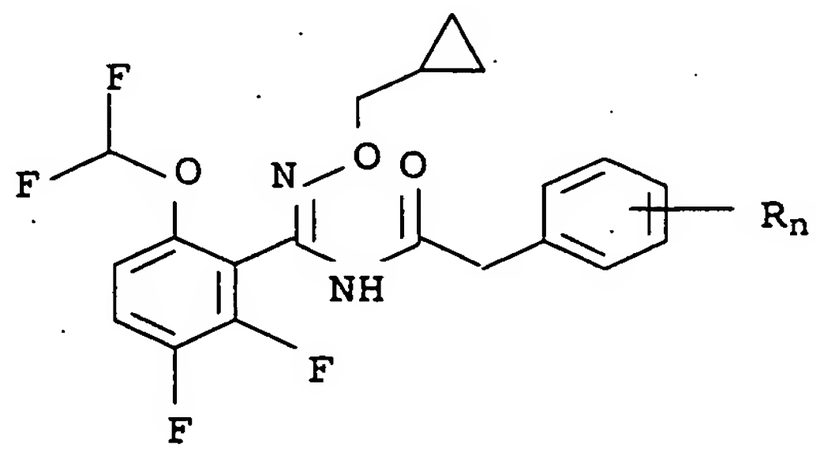
10. A fungicidal composition, comprising the fungicidal mixture as claimed in claim 1 and a solid or liquid carrier.

Fungicidal mixtures based on benzamideoxime derivatives, benzophenones and an azole

Abstract

Fungicidal mixtures, comprising as active components

(1) a benzamideoxime derivative of the formula I



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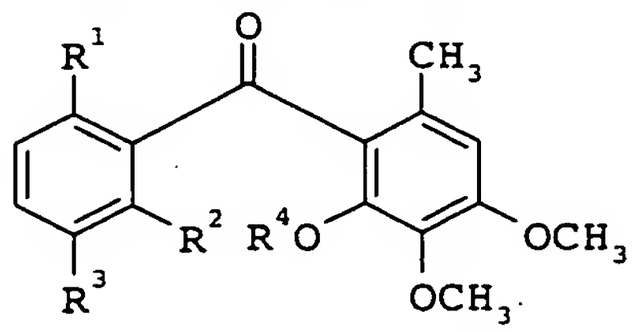
n is 1, 2 or 3,

and

(2) a benzophenone of the formula II,



(II)

in which

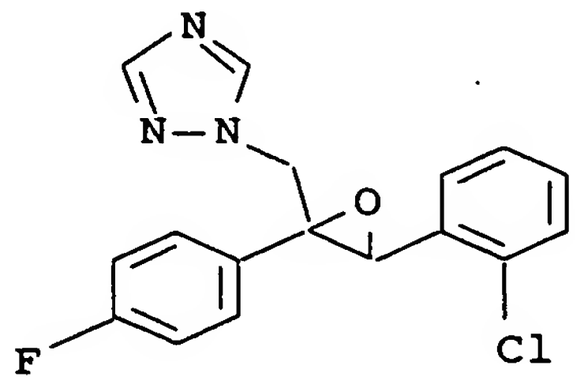
R^1 is chlorine, methyl, methoxy, acetoxy, pivaloyloxy or hydroxyl;

R^2 is chlorine or methyl;

R^3 is hydrogen, halogen or methyl; and

R^4 is C_1-C_6-alkyl or benzyl, where the phenyl moiety of the benzyl radical may carry a halogen or methyl substituent, and

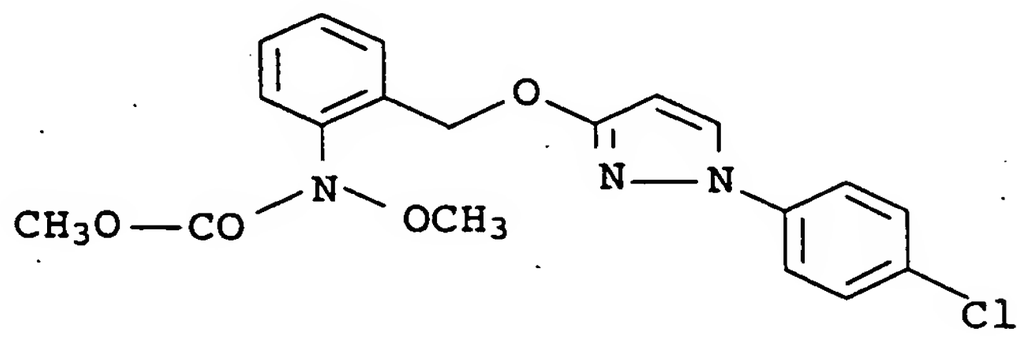
(3) epoxiconazole of the formula III



(III)

and, if appropriate,

(4) pyraclostrobin of the formula IV



(IV)

in a synergistically effective amount are described.